

FIG. 1

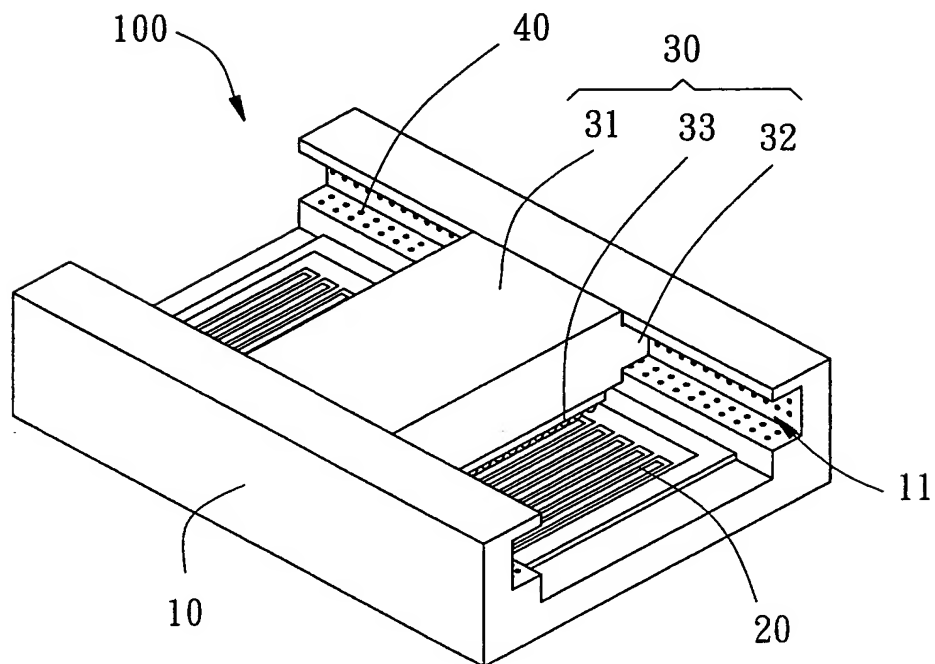


FIG. 2

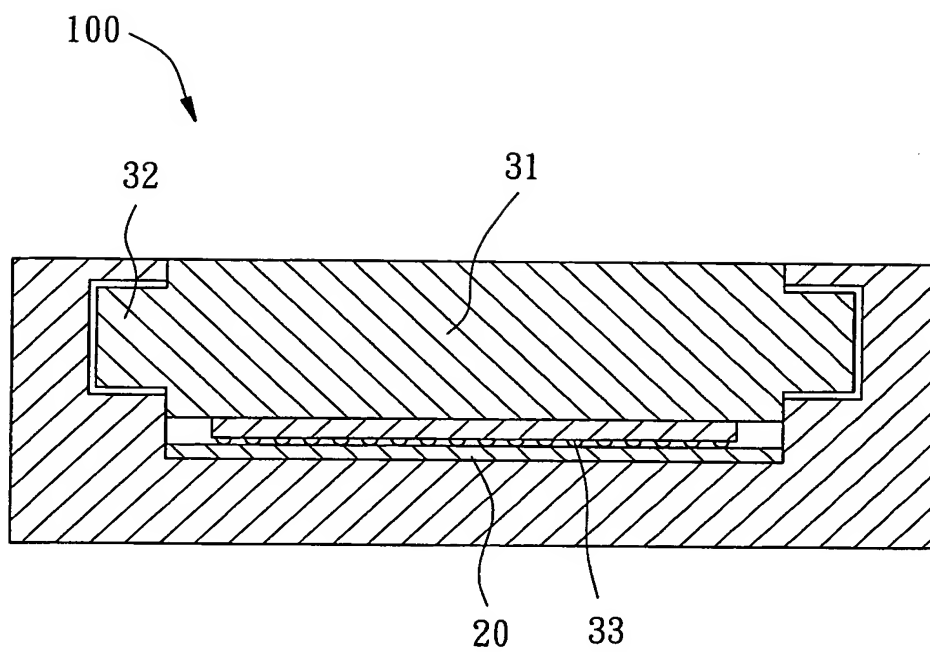


FIG. 3

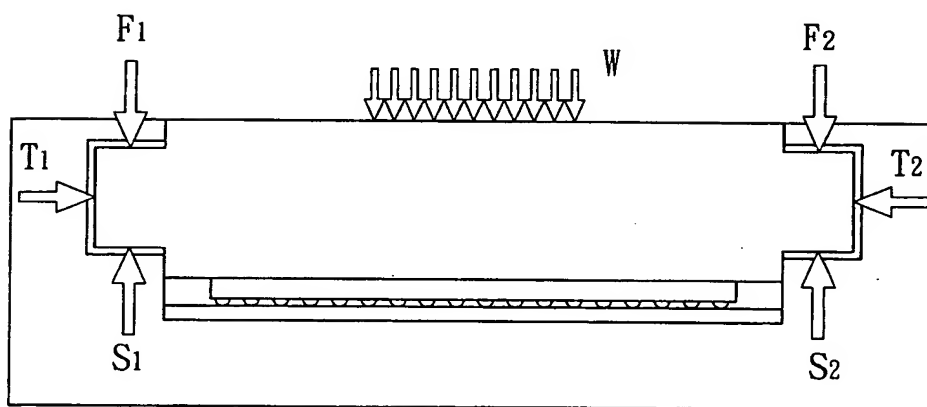
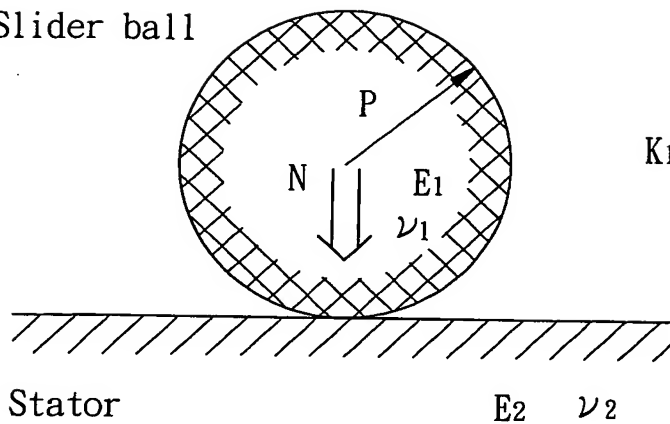
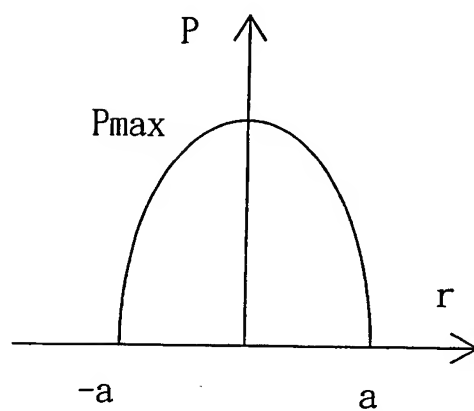


FIG. 4

Slider ball



$$K_1 = \frac{1 - \nu_1^2}{\pi E_1} \quad K_2 = \frac{1 - \nu_2^2}{\pi E_2}$$



$$a = 3 \sqrt{\frac{3\pi}{4} N (K_1 + K_2) R}$$

$$P_{\max} = \frac{3N}{2\pi a^2}$$

$$P = P_{\max} \sqrt{1 - (r/a)^2}$$

FIG. 5

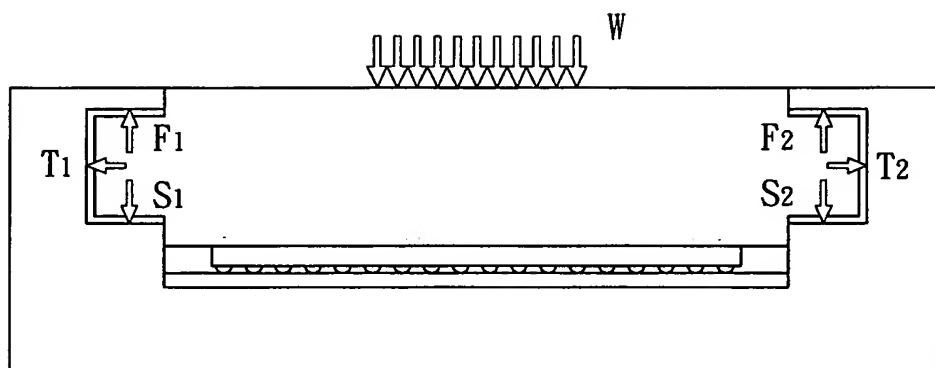


FIG. 6